

TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. § 371

Attorney Docket No.  
F40.12-0030

U.S. Application No.

10/516714

INTERNATIONAL APPLICATION  
PCT/FR04/02444

INTERNATIONAL FILING DATE  
27 September 2004 (27.09.2004)

PRIORITY DATE CLAIMED  
03 October 2003 (03.10.2003)

TITLE OF INVENTION

METHOD FOR THE MULTIPLE-ANTENNA TRANSMISSION OF A SIGNAL BY SPACE-TIME BLOCK CODES,  
CORRESPONDING RECEPTION METHOD AND SIGNAL

APPLICANT(S) FOR DO/EO/US

LE NIR, Vincent and HELARD, Maryline

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
  2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
  3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (12) indicated below:
  4. ☒ The US has been elected by the expiration of 19 months from the priority date (Article 31).
  5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
    - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
    - b. ☒ has been communicated by the International Bureau.
    - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
  6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
    - a. ☒ is attached hereto.
    - b. ☐ has been previously submitted under 35 U.S.C. 154d(4).
  7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
    - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
    - b. ☐ have been communicated by the International Bureau.
    - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
    - d. ☒ have not been made and will not be made.
  8. ☐ An English language translation of the amendment to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).
  9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
  10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).
- Items 11 to 20 below concern document(s) or information included:
11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
  12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included.
  13. ☒ A **FIRST** preliminary amendment.
  14. ☒ An Application Data Sheet under 37 CFR 1.76
  15. ☐ A substitute specification.
  16. ☐ A change of power of attorney and/or address letter.
  17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.
  18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
  19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
  20. ☒ Other items or information:
 

|  |   |
|--|---|
| a. <input type="checkbox"/> Copy of Search Report.           | b. <input type="checkbox"/> Abstract typed on a separate page.            |
| c. <input checked="" type="checkbox"/> 5 sheets of drawings. | d. <input type="checkbox"/> International Preliminary Examination Report. |

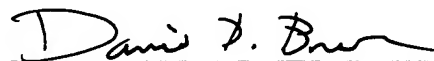
|  |              |   |            |   |    |
|--|--------------|---|------------|---|----|
| U.S. APPLICATION NO.<br><b>107516714</b>   |              | INTERNATIONAL APPLICATION NO.<br>PCT/FR04/02444 |            | ATTORNEY'S DOCKET NUMBER<br>F40.12-0030 |    |
| 21. <input checked="" type="checkbox"/> The following fees are submitted:<br><b>BASIC NATIONAL FEE (37 CFR 1.492(A)(1)-(5)):</b><br><br>Neither international preliminary examination fee (37 CFR 1.482)<br>nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO<br>and International Search Report not prepared by the EPO or JPO.....\$1110.00<br><br>International preliminary examination fee (37 CFR 1.482) not paid to<br>USPTO but International Search Report prepared by the EPO or JPO.....\$950.00<br><br>International preliminary examination fee (37 CFR 1.482) not paid to USPTO<br>but international search fee (37 CFR 1.445(a)(2)) paid to USPTO.....\$790.00<br><br>International preliminary examination fee (37 CFR 1.482) paid to USPTO<br>But all claims did not satisfy provisions of PCT Article 33(1)-(4).....\$750.00<br><br>International preliminary examination fee (37 CFR 1.482) paid to USPTO<br>and all claims satisfied provisions of PCT Article 33(1)-(4).....\$100.00 |              |   |            | CALCULATIONS     PTO USE ONLY           |    |
|  |              |   |            |   |    |
|  |              |   |            |   |    |
|  |              |   |            |   |    |
|  |              |   |            |   |    |
|  |              |   |            |   |    |
| <b>ENTER APPROPRIATE BASIC FEE AMOUNT     =</b>  |              |   |            | \$950.00                                |    |
| Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input checked="" type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).   |              |   |            | \$                                      |    |
| CLAIMS   | NUMBER FILED | NUMBER EXTRA                                    | RATE       |   |    |
| Total claims   | 11 - 20 =    |   | X \$18.00  | \$                                      |    |
| Independent claims   | 1 - 3 =      |   | X \$88.00  | \$                                      |    |
| MULTIPLE DEPENDENT CLAIM (S) (if applicable)   |              |   | + \$300.00 | \$                                      |    |
| <b>TOTAL OF ABOVE CALCULATIONS     =</b>   |              |   |            | \$950.00                                |    |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.   |              |   |            | \$                                      |    |
| <b>SUBTOTAL     =</b>  |              |   |            | \$950.00                                |    |
| Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input checked="" type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f))   |              |   |            | \$                                      |    |
| <b>TOTAL NATIONAL FEE     =</b>  |              |   |            | \$950.00                                |    |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property.  |              |   |            | \$                                      |    |
| <b>TOTAL FEES ENCLOSED</b>   |              |   |            | \$950.00                                |    |
|  |              |   |            | Amount to be:<br>refunded               | \$ |
|  |              |   |            | charged                                 | \$ |

- a. ☐ A check in the amount of \$\_\_\_\_\_ to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. 23-1123 in the amount of \$\_\_\_\_\_ to cover the above fees. A duplicate copy of this sheet is enclosed.
- c. ☒ The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Deposit Account No. 23-1123. A duplicate copy of this sheet is enclosed.
- d. ☒ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 C.F.R. 1.494 or 1.495 has not been met, a petition to revive (1.37(a) or (b)) must be filed and granted to restore the application to pending status.

Send all correspondence to:

David D. Brush  
 WESTMAN, CHAMPLIN & KELLY, P.A.  
 Suite 1600 - International Centre  
 900 Second Avenue South  
 Minneapolis, MN 55402-3319

  
 Signature

David D. Brush

Name

34,557

Registration Number

## UNITED STATES RECEIVING OFFICE (RO/US)

|                           |  |
|---------------------------|--|
| Re                        | International Appln. No. PCT/FR04/02444  |
| Applicant                 | LE NIR, Vincent et al.   |
| International Filing Date | 27 September 2004<br>(27.09.2004)  |
| Title of Invention        | METHOD FOR THE MULTIPLE-ANTENNA<br>TRANSMISSION OF A SIGNAL BY SPACE-TIME<br>BLOCK CODES, CORRESPONDING RECEPTION METHOD<br>AND SIGNAL |
| Agent's File              | F40.12-0030  |

## Letter

EV388914233US

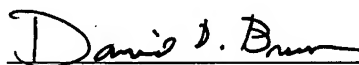
December 2, 2004

"Express Mail" Mailing Number

Date of Deposit

The following are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" addressed to Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450:

1. \$950.00 Filing Fee
2. Transmittal Letter (completed Form No. PTO-1390)
3. Application Data Sheet
4. Preliminary Amendment
5. Copy of International Appln. No. PCT/FR04/02444 in English
6. Unexecuted Combined Declaration and Power of Attorney



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DDB:daw